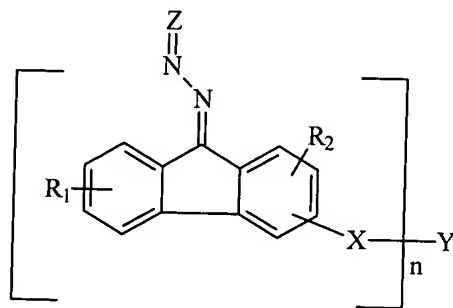


## ORGANOPHOTORECEPTOR WITH CHARGE TRANSPORT MATERIAL WITH BIS(9-FLUORENONE) AZINE GROUPS

### Abstract of the Disclosure

Improved organophotoreceptor comprises an electrically conductive substrate and  
5 a photoconductive element on the electrically conductive substrate, the photoconductive  
element comprising:

(a) a charge transport material having the formula



where  $n$  is an integer between 2 and 6, inclusive;

10  $\text{R}_1$  and  $\text{R}_2$  are, independently, H, halogen, carboxyl, hydroxyl, thiol, cyano, nitro, aldehyde group, ketone group, an ether group, an ester group, a carbonyl group, an alkyl group, an alkaryl group, or an aryl group;

$\text{X}$  is a linking group having the formula  $-(\text{CH}_2)_m-$ , branched or linear, where  $m$  is an integer between 0 and 20, inclusive, and one or more of the methylene groups can be  
15 optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a  $\text{NR}_3$  group, a  $\text{CHR}_4$  group, or a  $\text{CR}_5\text{R}_6$  group where  $\text{R}_3$ ,  $\text{R}_4$ ,  $\text{R}_5$ , and  $\text{R}_6$  are, independently, H, an alkyl group, an alkaryl group, a heterocyclic group, or an aryl group;

$\text{Y}$  comprises a bond, C, N, O, S, a branched or linear  $-(\text{CH}_2)_p-$  group where  $p$  is an  
20 integer between 0 and 10, an aromatic group, a cycloalkyl group, a heterocyclic group, or a  $\text{NR}_9$  group where  $\text{R}_9$  is hydrogen atom, an alkyl group, or aryl group, wherein  $\text{Y}$  has a structure selected to form  $n$  bonds with the corresponding  $\text{X}$  groups; and

$\text{Z}$  is a fluorenylidene group; and

(b) a charge generating compound.

25 Corresponding electrophotographic apparatuses and imaging methods are described.